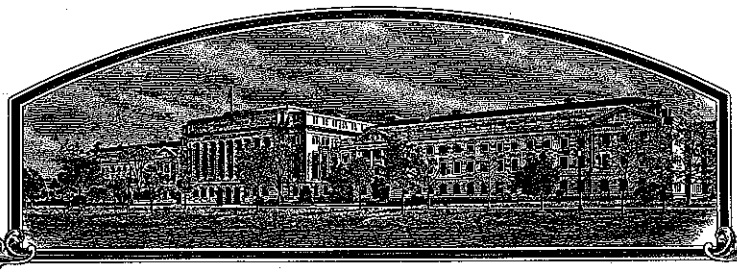

No. 200300146

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Pure Seed Testing, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BLUEGRASS, KENTUCKY

'Blacksburg II'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this sixteenth day of July, in the year two thousand and eight.

Attest:

Commissioner
Plant Variety Protection Office

Secretary of Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions.* FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROCTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C 2426).

1. NAME OF OWNER
Pure Seed Testing, Inc.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME
PST-1BMY

3. VARIETY NAME
Blacksburg II

4. ADDRESS *(Street and No., or RFD No., City, State, and ZIP Code, and Country)*
P.O. Box 449
Hubbard, OR 97032

5. TELEPHONE *(include area code)*
(503) 263-0719

6. FAX *(include area code)*
(503) 263-0703

FOR OFFICIAL USE ONLY
PVPO NUMBER
200300146
FILING DATE
February 10, 2003

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*
Corporation

8. IF INCORPORATED, GIVE STATE OF INCORPORATION
Oregon

9. DATE OF INCORPORATION
1975

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*

Melodee L. Fraser, Ph.D.
Pure Seed Testing, Inc.
P.O. Box 176
Rolesville, NC 27571

Crystal Rose-Fricker
Pure Seed Testing, Inc.
P.O. Box 449
Hubbard, OR 97032

FEES RECEIVED
FILING AND EXAMINATION FEES:
$ 2705
DATE 2/10/03
CERTIFICATION FEE:
$ 768.00
DATE 6/13/2008

11. TELEPHONE (Include area code)
(919) 556-0146

12. FAX (Include area code)
(919) 556-0174

13. E-MAIL
mlkfraser@aol.com

14. CROP KIND (Common Name)
Kentucky bluegrass

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

a. ☒ Exhibit A. Origin an Breeding History of the Variety
b. ☒ Exhibit B. Statement of Distinctness
c. ☒ Exhibit C. Objective Description of Variety
d. ☒ Exhibit D. Additional Description of the Variety *(Optional)*
e. ☒ Exhibit E. Statement of the Basis of the Owner's Ownership
f. ☒ Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)*
g. ☒ Filing and Examination fee ($2,705), made payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)*

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act)

☐ YES *(If "yes," answer items 20 and 21 below)* ☒ NO *(If "no," go to item 22)*

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? ☐ YES ☐ NO

IF YES, WHICH CLASSES? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

21. DOES THE OWNER SPECIFY THAT THE CLASSES BE LIMITED AS TO NUMBER OF GENERATIONS? ☐ YES ☐ NO

IF YES, SPECIFY THE NUMBER 1, 2, 3, *etc.* 6 ☐ FOUNDATION 6 ☐ REGISTERED 7 ☐ CERTIFIED

(If additional explanation is necessary, please use the space indicated on the reverse.)

22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES?

☐ YES ☒ NO

IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSTION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. *(Please use space indicated on reverse.)*

23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT *(PLANT BREEDER'S RIGHT OR PATENT)?*

☐ YES ☒ NO

IF YES, GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER	SIGNATURE OF OWNER
Crystal Rose-Fricker	Melodee L. Fraser
NAME *(Please print or type)*	NAME *(Please print or type)*
Crystal Rose-Fricker	**Melodee L. Fraser**
CAPACITY OR TITLE: **President**	CAPACITY OR TITLE: **Director of Research-East**
DATE: 2/06/03	DATE: 30 Jan 03

Exhibit A – Revised September 2007

Origin and Breeding History of 'Blacksburg II' Kentucky Bluegrass

'Blacksburg II' (PST-1BMY) Kentucky bluegrass was developed by Pure Seed Testing, Inc., Hubbard, OR. Blacksburg II originated as an aberrant selection from 'Blacksburg', which originated as a selection from a putting green on the campus of Virginia Polytechnic Institute in 1984.

A three-acre field of Blacksburg was thinly seeded during the spring of 1992. Aberrant plants were selected from this field during the summer of 1992. One repeating aberrant in the field was selected and designated 1BMY. This plant was selected for taller plant height, earlier heading date, and more seed heads than Blacksburg.

Seed harvested from 1BMY was used to establish a 1450-plant Breeder seed nursery near Hubbard during the fall of 1998. Breeder seed was harvested during the summers of 1999 and 2000 after removal of off-type plants. Blacksburg II is a facultative apomict with 85% of its progeny appearing genetically identical to the maternal plant.

Seed production of Blacksburg II is limited to three generations of increase from Breeder seed: one each of Foundation, Registered, and Certified. Pure-Seed Testing, Inc. maintains Breeder seed in Oregon and will regenerate as necessary. Blacksburg II has shown stability and uniformity multiplied from Breeder seed through the Certified seed generation. No variants have been observed in the replication or multiplication of Blacksburg II Kentucky bluegrass.

Exhibit B

Statement of Distinctness for 'Blacksburg II' Kentucky Bluegrass

'Blacksburg II' is most similar to 'Blacksburg' Kentucky bluegrass. They differ in the following characteristics:

1. Blacksburg II has a mean plant height at least 8 cm taller than Blacksburg (Tables 1 - 3).
2. Blacksburg II has a mean flag leaf height at least 2.5 cm taller than Blacksburg (Tables 1- 3).
3. Blacksburg II has a mean flag leaf sheath length at least 1.8 cm longer than Blacksburg (Tables 1, 3).
4. Blacksburg II has a mean tiller leaf sheath length at least 1.3 cm longer than Blacksburg (Tables 1, 3).
5. Blacksburg II has a mean panicle length at least 0.9 cm longer than Blacksburg (Tables 1 - 3).
6. Blacksburg II has a mean length from flag leaf to panicle top at least 2.9 cm longer than Blacksburg (Tables 1 - 3).
7. Blacksburg II has a mean tiller leaf length at least 1 cm longer than Blacksburg (Tables 1, 3).
8. Blacksburg II has a mean tiller leaf width at least 0.5 mm wider than Blacksburg (Tables 1, 2).
9. Blacksburg II has a mean initial heading date six days earlier than Blacksburg (Table 4).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY PROGRAM
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT C
(BLUEGRASS)

OBJECTIVE DESCRIPTION OF VARIETY
BLUEGRASS
(*Poa* spp.)

NAME OF APPLICANT(S)	TEMPORY DESIGNATION	VARIETY NAME
Pure Seed Testing, Inc.	**PST-1BMY**	**Blacksburg II**
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) **P.O. Box 449, Hubbard, OR 97032**		FOR OFFICIAL USE ONLY PVPO NUMBER #200300146

Select the number which characterizes the variety in the features described below. For measured characteristics use leading zeros as necessary in order to fill all blanks (e.g. 089). Those characteristics marked with a star * are preferred to be recorded. Any others should be recorded to help establish novelty or uniqueness. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate the system used:
Describe location of test area, conditions, and number of Plants used: **Pure Seed Testing Research Farm near Hubbard, OR. Sixty plants measured from seed yield trials planted in a randomized complete block with three replications of 20 plants each.**

1. SPECIES:

[2] 1 = *Poa compressa* 2 = *P. pratensis* 3 = *P. trivialis* 4 = Others (Please Specify):

[ ][ ][ ] Chromosome Number

2. ADAPTATION: (0 = Not Tested, 1 = Not Adapted, 2= Adapted, 3 = Well Adapted)

[3]	Northeast	[2]	Transitional Zone	[1]	Southeast	[3]	North Central
[3]	Pacific N.W.	[2]	Intermountain	[1]	Southwest (CA, AZ)	[ ]	Other (Please Specify):

3. MATURITY (At first anthesis): Give test area near Hubbard, Oregon.

★[5] 1 = Very Early 2 = Early (Delta, Mystic) 3 = Medium Early (Fylking, Nugget)
4 = Medium late (Newport, Adelphi, Aquila) 5 = Late (Merion, Baron, Enmundi)
6 = Very Late (Pacific)

Date of First Anthesis: _____

[ ][ ] Number of days earlier than ★[ ]
Maturity same as ★[ ]
[1][0] Number of days later than ★[6]

1 = Nugget 2 = Fylking 3 = Delta
4 = Merion 5 = Newport 6 = Baron
7 = Mystic 8 = Sabre 9 = Reubens

4. PLANT HEIGHT (At maturity-Average of longest shoot of 10 plants from soil surface to top of panicle): *Test Area* **Hubbard, OR**

★ [4] 1 = Short 2 = Medium short (Baron, Fylking, Mystic)
3 = Medium tall (Merion, Adelphi) 4 = Tall (delta) 5 = Very tall

#200300146

★ [0][7][2] cm Height

[ ][ ] cm Shorter than ★[ ]
Height same as ★[ ]
[1][4] cm Taller than ★[6]

1 = Nugget 2 = Fylking 3 = Delta
4 = Merion 5 = Newport 6 = Baron
7 =Mystic 8 = Sabre 9 = Reubens

---

5. GROWTH HABIT:

★ [2] Habit: 1 = Prostrate (Nugget) 2 = Semiprostrate (Merion) 3 = Erect (Delta)

[ ][ ][ ] cm Amount of spread by rhizomes in 1 year (give test area: _____)

---

6. LEAF BLADE:

★ [4] Green color: 1 = Light green (Mystic) 2 = Medium green (Fylking, Bonnieblue)
3 = Moderately dk. green (Merion, Adelphi) 4 = Very dk. green (Nugget, Glade, Enmundi)

★ [1] Bluegreen color: 1 = Not bluegreen (Mystic, Touchdown, Parade) 2 = Moderately bluegreen (Merion, A-34)
3 = Bluegreen (Nugget, Enmundi, Adelphi) 4 = Strongly bluegreen (Majestic)

[2] Winter color: 1 = Light green 2 = Dark green 3 = Light purple
4 = Dark purple 5 = Not purple 6 = Not green or purple

★ [1] Hairs upper side: 1 = Absent (Nugget) 2 = Sparse (Merion) 3 = Dense (Park)

[1] Hairs lower side: 1 = Absent (Fylking, Merion) 2 = Sparse 3 = Dense (Nugget)

[1] Luster upper side: 1 = Shiny (Eclipse, Enmundi) 2 = Dull (Aquila, Parade)

[2] Luster lower side: 1 = Shiny (Mystic, Enmundi) 2 = Dull (Barbie, Eclipse)

★ [1] Margin hairs (Fringe on Margin or Base): 1 = Absent (Delta) 2 = Present (Fylking, Merion)

★ [4] Width: 1 = Very fine (Mystic) 2 = Fine (Nugget) 3 = Medium (Merion, Fylking)
4 = Broad (Adelphi, Baron) 5 = Very broad (Monopoly)

[3][▲][3] mm Width (tiller leaf)

[ ][ ] mm Narrower than ★[ ]
Width same as ★[ ]
[▲][4] mm Wider than ★[6]

1 = Nugget 2 = Fylking 3 = Delta
4 = Merion 5 = Newport 6 = Baron
7 = Mystic 8 = Sabre 9 = Reubens

[0][6][5] mm Length (tiller leaf)

[ ][ ] mm Shorter than ★[ ]
Length same as ★[ ]
[1][7] mm Longer than ★[6]

1 = Nugget 2 = Fylking 3 = Delta
4 = Merion 5 = Newport 6 = Baron
7 = Mystic 8 = Sabre 9 = Reubens

[2] Position of flag leaf (angle to stem): 1 = Appressed 2 = Open angle, yet stiff 3 = Nodding

7. LEAF SHEATH:

[7] cm sheath length

★[ ] Seedling Color (base of sheath): 1 = Green (Nugget, Merion) 2 = Red (Delta)

★[1] Hairs on Margin: 1 = Absent (Fylking) 2 = Present (Nugget)

★[1] Margin Roughness (to touch): 1 = Smooth (Delta) 2 = Rough (Sabre)

[1] Hairs on Surface: 1 = Absent ( ) 2 = Present (Nugget)

[1] Surface Roughness (to touch): 1 = Smooth (Fylking) 2 = Rough (Ram I)

[1] Hairs on both sides just beneath leaf blade (under collar): 1 = Absent (Merion) 2 = Present (Nugget)

★[1] Hairs on ligule: 1 = Absent (Fylking) 2 = Short (Baron) 3 = Long (Nugget)

[1] Glaucosity: 1 = Absent (Mystic, Enmundi) 2 = Present (Birka)

[2] Keel: 1 = Absent (Ram I) 2 = Present (Adelphi)

---

8. PANICLE (Mature Plant):

[0][9][6] mm Length (Lowest branch whorl to top, for 10 plants) Test Area:

[ ][ ][ ] mm Shorter than ★[ ]

Panicle same as ★[ ]

[0][2][3] mm Longer than ★[6]

1 = Nugget 2 = Fylking 3 = Delta
4 = Merion 5 = Newport 6 = Baron
7 = Mystic 8 = Sabre 9 = Reubens

★[1] Color (at 50% flowering): 1 = Not red (Fylking) 2 = Red (Nugget)

[2] Shape of Rachis (opposite lower side branches): 1 = No bend (Nugget) 2 = Bend (Merion)

★[2] Collar: 1 = Opened (Nugget) 2 = Closed (Merion)

★[2] Branches Attitude (Lowest whorl): 1 = Drooping (America, Prato) 2 = Horizontal (Merion) 3 = Ascending (Tundra)

[3] Number of main branches in lowest whorl:

★[1.5] Panicle habit: 1 = Nodding (Newport) 2 = Upright (Nugget)

★[1] Panicle type: 1 = Open 2 = Intermediate 3 = Compact

[1] Anther color (anthesis): 1 = Purple 2 = Yellow 3 = Brown

---

9. LEMMA

★[2] Keel 1 = Glabrous 2 = Slightly pubescent 3 = Pubescent

★[3] Marginal Nerves

[1] Intermediate Nerves: 1 = Distinct 2 = Obscure

[3] Basal Webbing: 1 = Absent 2 = Scant (Baron) 3 = Copious (Merion)

#200300146

10. SEED: (Floret-not dehulled)

★ [2] Apomixis Percentage: 1 = more than 95 2 = 85 to 95 3 = less than 85

[ ] Phenol Reaction: 1 = none-lemma removed (Merion) 2 = Beige (Cougar) 3 = Brown (Windsor)
4 = Black (Mystic –2hrs) 5 = Black (-24hrs)

[0] [▲] [7] mm Width (average of 10) [2] [▲] [3] mm Length

[3] [4] [3] [3] Milligrams per 10,000 seed

[ ] [ ] [ ] Milligrams less than ★ [ ]

Weight same as ★ [ ]

[7] [9] [4] Milligrams more than ★ [1]

1 = Nugget 2 = Fylking 3 = Delta
4 = Merion 5 = Newport 6 = Baron
7 = Mystic 8 = Sabre 9 = Reubens

[2] Weight Class (g per 10,000 seed): 1 = Light (< 3g Sydsport, Merion)
2 = Medium (3g – 4g Adelphi, Parade)
3 = Heavy (> 4g Fylking, Nugget)

11. ENVIRONMENTAL RESISTANCE:
(0 = Not Tested; 1 = Very Susceptible, 2 = Moderately Susceptible, 3 = Moderately Resistant, 4 = Highly Resistant)

★ [3] Cool Temperature (Winter color)	[3] Cold (injury)	[3] Heat	[3] Drought
[2] Shade	[3] Low Fertility	[0] Acid Soil (< pH 5.5)	[0] Alkalinity (pH > 7.5)
[2] Salinity	[2] Soil Compaction	[2] Poor Drainage	[0] Air Pollution
[ ] Other (Please Specify):			

12. DISEASE RESISTANCE:
(0 = Not Tested; 1 = Very Susceptible, 2 = Moderately Susceptible, 3 = Moderately Resistant, 4 = Highly Resistant)

[3] Melting-Out *Drechslera poae* (*Helminthosporium vagans*)
[3] Helminthosporium Leaf Spot *Bipolaris sorokiniana*
[3] Brown Patch *Rhizoctonia solani*
[3] Powdery Mildew *Erysiphe graminis*
[2] Stripe Smut *Ustilago striiformis*
[0] Flag Smut *Urocystis agropyri*
[3] Pink Snow Mold *Fusarium nivale*
[3] Ergot *Claviceps purpurea*
[0] Fusarium Blight *Fusarium roseum, F. tricinctum*
[0] Typhula Blight *Typhula* spp.
[3] Dollar Spot *Sclerotinia homoeocarpa*

[0] Sclerotina *S. borealis*
[3] Stem Rust *Puccinia graminis*
[3] Stripe Rust *P. striiformis*
[3] Leaf Rust *P. poae-nemoralis*
[3] Orange Stripe Rust *P. poarum*
[2] Pythium Blight *Pythium* spp.
[0] Red Thread *Corticium fujciforme*
[ ] Other (Please Specify):
[ ] Other (Please Specify):

13. INSECTS, NEMATODES, RESISTANCE:
(0 = Not Tested; 1 = Very Susceptible, 2 = Moderately Susceptible, 3 = Moderately Resistant, 4 = Highly Resistant)

[3] Chinch Bug *Blissus* spp. (give species:)

[0] Sod Webworm *Crambus* spp. (give species:)

[3] Bluegrass Billbug *Sphenophorus parvulus*

[0] White Grub: Japanese Beetle, Chafers (give species)

[0] Greenbug Aphid *Schizaphis graminum*

[ ] Other (Please Specify):

[ ] Other (Please Specify):

14. Give variety or varieties that most closely resemble the application variety. For the following characteristics indicate Degree of Resemblance by placing in the column marked D.R., one of the following numbers: 1 = Application variety is less than comparison variety; 2 = Same as; 3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Maturity-heading	**Blacksburg**	**1**	Leaf Width	**Blacksburg**	**3**
Height	**Blacksburg**	**3**	Leaf Color Spring	**Blacksburg**	**2**
Seed Size	**Blacksburg**	**3**	Leaf Color Summer	**Blacksburg**	**2**
Seed Weight	**Blacksburg**	**3**	Leaf Color Winter	**Blacksburg**	**3**
Cold Injury	**Blacksburg**	**2**	Drought	**Blacksburg**	**2**
Heat	**Blacksburg**	**2**	Disease**		
Shade	**Blacksburg**	**2**	Stem Rust	**Blacksburg**	**3**

***Specify each disease evaluated.*

15. ADDITIONAL DESCRIPTION

Describe all characteristics and conditions that cannot be adequately described in this form in Exhibit D.

Exhibit D

Additional Description of 'Blacksburg II' Kentucky Bluegrass

1. Blacksburg II has shown good turf quality in U.S. turf trials (Tables 5-9, 17).
2. Blacksburg II has good stem rust resistance (Tables 6-8) and has shown good stripe rust resistance (Table 8).
3. Blacksburg II has shown moderate resistance to leaf spot (Tables 5, 6, 12).
4. Blacksburg II has good winter color (Tables 5, 9, 10) and medium to early spring green-up (Table 11).
5. Blacksburg II has shown moderate salt tolerance (Table 16).

Table 1. 2002 mean morphological measurements for entries in a Kentucky bluegrass seed yield trial seeded fall of 2000 near Hubbard, OR.

Entry	Plant Height (cm)	Flag Leaf Height (cm)	Flag Leaf Sheath Length (cm)	Tiller Leaf Sheath Length (cm)	Panicle Length (cm)	Flag Leaf to Panicle Top (cm)	Branches/ Lowest Whorl (#)	Tiller Leaf Length (cm)	Tiller Leaf Width (mm)	Flag Leaf Length (cm)	Flag Leaf Width (mm)	Tillers/ 12.7 cm Row (#)
Kenblue	82.0	41.2	13.7	10.1	10.6	39.9	4.8	10.6	2.5	6.3	2.5	50.2
Julia	81.2	47.6	11.2	9.2	10.0	30.8	3.6	9.0	3.4	5.7	2.9	69.3
Blacksburg II	72.4	37.6	10.1	7.0	9.6	32.8	3.4	6.5	3.3	4.0	2.8	62.8
Blacksburg	62.2	30.1	8.3	5.7	7.7	28.5	3.3	5.5	2.8	3.5	2.7	46.2
Baron	58.5	25.8	8.9	6.7	7.3	27.4	4.2	4.8	2.9	3.4	2.5	65.3
Midnight	56.8	28.2	9.1	7.0	8.0	27.2	3.6	6.7	3.7	4.1	2.7	49.3
LSD (0.05)	**2.4**	**2.0**	**1.1**	**0.6**	**0.8**	**1.6**	**0.3**	**0.6**	**0.3**	**0.4**	**0.3**	**17.6**

Table 2. 2001 mean morphological measurements for entries in a Kentucky bluegrass seed yield trial seeded fall of 1999 near Hubbard, OR.

Entry	Plant Height (cm)	Flag Leaf Height (cm)	Panicle Length (cm)	Flag Leaf to Panicle Top (cm)	Branches/ Lowest Whorl (#)	Tiller Leaf Width (mm)	Flag Leaf Length (cm)	Flag Leaf Width (mm)	Tillers/ 12.7 cm Row (#)
Julia	82.4	51.1	9.5	27.1	3.7	4.1	5.0	3.3	85.9
Blacksburg II	55.1	25.7	7.4	23.2	3.3	3.7	3.8	2.9	93.6
Midnight	49.6	30.5	8.2	20.2	3.6	3.5	4.4	2.5	65.3
Blacksburg	47.0	23.1	6.5	19.7	3.4	3.1	3.6	2.6	63.9
LSD (0.05)	**2.8**	**2.1**	**0.4**	**1.9**	**0.3**	**0.3**	**0.4**	**0.3**	**18.1**

Table 3. 2000 mean morphological measurements for entries in a Kentucky bluegrass seed yield trial seeded fall of 1999 near Hubbard, OR.

Entry	Plant Height (cm)	Flag Leaf Height (cm)	Flag Leaf Sheath Length (cm)	Tiller Leaf Sheath Length (cm)	Panicle Length (cm)	Flag Leaf to Panicle Top (cm)	Branches/ Lowest Whorl (#)	Tiller Leaf Length (cm)	Flag Leaf Length (cm)	Flag Leaf Width (mm)	Tillers/ 12.7 cm Row (#)
Julia	75.5	44.1	10.7	5.1	8.7	33.9	3.3	8.0	5.4	2.0	55.1
Blacksburg II	67.7	31.5	9.3	9.0	7.8	33.0	3.6	7.1	4.5	2.1	58.0
Blacksburg	53.9	22.5	6.8	5.4	6.0	30.1	3.5	6.0	4.3	2.0	26.6
Midnight	44.5	21.7	7.6	6.1	6.4	24.4	3.3	5.7	4.4	2.0	28.8
LSD (0.05)	**2.8**	**3.1**	**0.6**	**0.5**	**0.4**	**2.6**	**0.3**	**0.5**	**0.4**	**0.2**	**12.3**

Table 4. Mean initial heading dates for entries in a Kentucky bluegrass seed yield trial seeded fall of 1999 near Hubbard, OR.

Entry	2000	2001
Blacksburg	03 May	03 May
Midnight	02 May	02 May
Blacksburg II	27 April	27 April
Julia	27 April	25 April
Baron	16 April	19 April
LSD (0.05)	**3 days**	**4 days**

Table 5. 2001 mean leaf spot, winter color, and turf quality ratings for entries in a Kentucky bluegrass turf trial seeded fall of 2000 near Hubbard, OR.

Entry	Leaf Spot 31 Jan	Winter Color 31 Jan	Turf Quality Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Mean
North Star	4.7[1]	4.3[2]	5.0[3]	6.0	7.8	6.6	6.3
Blacksburg	5.0	5.3	5.0	5.3	5.8	6.0	5.5
Baron	4.7	5.7	4.9	5.4	6.0	5.0	5.3
Julia	3.0	5.0	4.9	5.4	6.0	4.4	5.2
Blacksburg II	5.7	7.0	5.8	4.8	5.0	4.8	5.1
Midnight	5.7	5.3	4.8	4.7	5.7	4.7	4.9
Kenblue	2.0	2.3	2.4	2.2	3.4	3.8	3.0
LSD (0.05)	**1.5**	**1.0**	**1.1**	**0.9**	**1.0**	**0.9**	**0.7**

[1]9 = no disease
[2]9 = dark green
[3]9 = ideal

Table 6. Mean stem rust, leaf spot and turf quality ratings for entries in a Kentucky bluegrass turf trial seeded fall of 1999 near Hubbard, OR.

Entry	Stem Rust 15 Aug 00	Leaf Spot 30 Mar 00	05 Apr 01	Mean	Turf Quality 2000	2001	2002	Mean
Moonlight	5.0[1]	7.7[1]	7.3	7.5	7.0[2]	5.9	5.3	6.1
Midnight	7.3	4.3	6.3	5.3	5.9	5.6	5.1	5.6
Julia	3.7	6.7	7.0	6.8	5.7	5.6	5.1	5.5
Adelphi	6.3	4.3	5.7	5.0	5.1	5.1	5.3	5.2
Blacksburg	4.0	5.0	5.3	5.2	5.1	5.3	4.8	5.1
Blacksburg II	6.3	4.3	5.0	4.7	5.2	4.8	4.9	4.9
Glade	6.3	3.7	5.0	4.3	4.5	5.1	4.8	4.8
Voyager	7.0	2.3	3.3	2.8	4.1	4.6	4.6	4.4
LSD (0.05)	**1.5**	**1.7**	**1.1**	**1.0**	**0.8**	**0.4**	**0.6**	**0.5**

[1]9 = no disease
[2]9 = ideal

Table 7. Mean turf quality, stem rust, and wilt ratings for entries in a Kentucky bluegrass turf trial seeded fall of 1996 near Hubbard, OR and maintained at 1.3 cm.

Entry	Turf Quality 1997	1998	1999	2000	Mean	Stem Rust (21 Sep 00)	Wilt (21 Sep 00)
North Star	6.2[1]	7.9	6.2	7.7	7.0	8.3[2]	6.0[3]
Midnight	5.2	7.4	5.5	6.5	6.2	7.3	5.0
Julia	5.0	7.1	5.3	6.3	5.9	3.0	3.3
Blacksburg	5.5	6.9	4.9	6.1	5.9	2.3	3.0
Adelphi	3.9	7.1	4.9	5.7	5.4	5.7	5.7
Blacksburg II	3.8	7.3	4.8	5.5	5.3	7.3	7.0
Ram I	3.8	6.4	4.0	5.3	4.9	5.0	5.7
LSD (0.05)	**0.7**	**0.6**	**0.6**	**0.7**	**0.4**	**1.5**	**1.7**

[1]9 = ideal
[2]9 = no disease
[3]9 = no wilt

Table 8. 2000 mean stem rust, stripe rust and turf quality ratings for entries in a Kentucky bluegrass turf trial seeded fall of 1999 near Camarillo, CA.

Entry	Stem Rust	Stripe Rust	Turf Quality
North Star	6.0[1]	8.0[1]	6.8[2]
Midnight	5.0	6.3	6.1
Blacksburg	5.3	6.4	5.8
Blacksburg II	7.3	6.7	5.7
Bluestar	6.0	6.1	5.0
LSD (0.05)	**2.0**	**1.0**	**0.6**

[1]9 = no disease
[2]9 = ideal

Table 9. 2001 mean establishment, winter color, and turf quality ratings for entries in a Kentucky bluegrass turf trial seeded fall of 2000 near Rolesville, NC.

Entry	Establishment	Winter Color (7 Dec)	Turf Quality Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Mean
Moonlight	6.7[1]	6.7[2]	7.7[3]	7.0	6.5	5.2	6.6
Midnight	5.0	8.0	6.0	6.6	6.6	6.3	6.4
Baron	5.7	4.7	5.3	5.6	4.7	4.7	5.1
Blacksburg II	4.7	5.7	4.7	5.4	4.4	4.8	4.8
Allure	5.0	4.7	4.7	5.0	4.5	4.2	4.6
Julia	5.0	3.3	6.0	4.8	3.8	3.7	4.5
Kenblue	5.7	2.3	3.0	1.6	2.5	3.0	2.5
LSD (0.05)	**2.3**	**2.2**	**1.6**	**1.0**	**1.1**	**1.5**	**0.9**

[1]9 = 100% established
[2]9 = dark green
[3]9 = ideal

Table 10. 2001 mean winter color ratings for entries in Kentucky bluegrass turf trials seeded fall of 2000.

Entry	NJ1	NJ2	VA1	Mean
Baronette	6.7[1]	8.0	7.7	7.4
Blacksburg II	5.3	7.0	7.3	6.6
Julia	6.3	5.7	7.0	6.3
Midnight	6.3	4.3	7.0	5.9
Baron	4.3	3.3	6.3	4.7
Marquis	3.0	3.0	6.0	4.0
LSD (0.05)	**1.2**	**1.3**	**1.1**	**0.7**

[1]9 = dark green

Table 11. 2001 mean spring greenup ratings for entries in Kentucky bluegrass turf trials seeded fall of 2000.

Entry	IL2	KY1	MN1	NE1	NE2	NJ1	WI1	Mean
Kenblue	7.31	7.7	7.0	5.7	6.0	9.0	4.0	6.7
Blacksburg II	8.0	8.0	6.3	5.7	5.0	2.3	5.7	5.9
Julia	4.3	7.0	6.7	6.0	5.3	3.7	5.3	5.5
Midnight	5.3	8.3	6.3	5.0	4.7	1.7	5.7	5.3
Baron	4.3	6.3	6.0	5.3	4.7	2.7	3.7	4.7
Barzan	2.0	6.3	6.0	3.0	4.0	1.7	5.0	4.0
LSD (0.05)	**3.0**	**1.2**	**0.7**	**1.7**	**1.5**	**1.7**	**0.9**	**0.6**

[1]9 = 100% green

Table 12. 2001 mean leaf spot ratings for entries in Kentucky bluegrass turf trials seeded fall of 2000.

Entry	IL2	PA1	WI1	Mean
Midnight II	8.3[1]	8.0	7.3	7.9
Blacksburg II	5.7	7.7	6.7	6.7
Midnight	6.3	6.7	7.0	6.7
Baron	1.7	7.0	7.3	5.3
Julia	4.7	4.7	5.7	5.0
Kenblue	5.0	2.0	1.0	2.7
LSD (0.05)	**2.2**	**1.2**	**1.4**	**0.9**

[1]9 = no disease

Table 13. 2001 mean dollar spot ratings for entries in Kentucky bluegrass turf trials seeded fall of 2000.

Entry	PA1
Royce	9.0[1]
Midnight	5.7
Blacksburg II	5.3
Baron	5.3
Julia	3.0
LSD (0.05)	**2.7**

[1]9 = no disease

Table 14. 2001 mean powdery mildew ratings for entries in Kentucky bluegrass turf trials seeded fall of 2000.

Entry	IL3
Julia	9.0[1]
Blacksburg II	7.3
Baron	6.7
Midnight	5.3
Nuglade	2.7
LSD (0.05)	**1.5**

[1]9 = no disease

Table 15. 2001 mean snow mold ratings for entries in Kentucky bluegrass turf trials seeded fall of 2000.

Entry	WI1
Blacksburg II	8.0[1]
Midnight	7.0
Julia	5.0
Baron	4.0
LSD (0.05)	**1.3**

[1]9 = no disease

Table 16. 1999 mean salt damage ratings for Kentucky bluegrass entries screened at 10,000 ppm NaCl for eight weeks in a greenhouse salt bath.

Entry	Mean
North Star	1.2[1]
Blacksburg	2.3
Midnight	2.3
Baron	2.5
Blacksburg II	2.9
Kenblue	3.2
LSD (0.05)	**0.4**

[1]0 = no damage
1 = 1-25% damage
2 = 25.1-50% damage
3 = 50.1-75% damage
4 = 75.1-99.9% damage
5 = dead

TABLE 17.

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT TWENTY-SEVEN LOCATIONS (FULL SUN) IN THE U.S.
2001 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CO1	IA1	IL2	IN1	KS2	KY1	MA1	MD1	ME1	MI1	MN1	MO1	NC1	NE1	NJ1	NJ2	NY1	OH1	OK1	PA1	RI1	SD1	UT1	VA1	WA1	WA3	WI1
BARON	5.9	7.5	4.6	5.8	5.5	4.8	7.0	5.5	5.8	6.9	4.7	5.4	5.1	5.8	5.4	5.5	5.7	5.9	6.1	6.3	5.9	5.4	5.8	4.0	6.7	4.4	5.6
BLACKSBURG II (PST-1BMY)	**6.0**	**8.1**	**7.5**	**5.8**	**5.6**	**6.0**	**6.8**	**5.0**	**6.6**	**7.1**	**4.1**	**5.7**	**5.6**	**4.9**	**5.1**	**4.9**	**5.5**	**4.9**	**6.0**	**6.4**	**6.1**	**4.8**	**6.2**	**4.6**	**6.3**	**4.1**	**4.9**
JULIA	6.0	7.3	5.8	6.0	5.7	5.3	7.0	5.8	6.9	7.3	4.1	4.9	4.6	5.2	5.2	5.1	5.5	5.3	6.2	6.0	5.5	4.4	5.4	3.3	6.3	4.7	5.4
MIDNIGHT	**6.4**	**8.5**	**6.5**	**5.8**	**5.7**	**6.4**	**7.3**	**6.1**	**6.9**	**7.1**	**4.2**	**5.8**	**6.8**	**6.4**	**6.6**	**6.3**	**5.4**	**4.9**	**6.3**	**7.3**	**6.1**	**4.9**	**6.1**	**4.1**	**7.2**	**4.4**	**6.4**
LSD VALUE	0.2	0.9	1.2	0.8	1.1	1.1	0.4	0.7	1.0	0.5	1.1	1.1	0.8	0.8	0.7	0.7	0.6	1.2	0.6	0.9	0.9	1.0	1.1	0.7	1.0	0.9	0.7

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C.652a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
Pure Seed Testing, Inc.	**PST-1BMY**	**Blacksburg II**
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*	5. TELEPHONE *(include area code)*	6. FAX *(include area code)*
PO Box 449 **Hubbard, OR 97032**	**503-263-0719**	**503-263-0703**
	7. PVPO NUMBER	**#200300146**

8. Does the applicant own all rights to the variety? *Mark an "X" in appropriate block.* If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company?
If no, give name of country _____ ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO ***If no, please answer the following:***

a. If original rights to variety were owned by individual(s), is (are the original owner(s) a U.S. national(s)?

☐ YES ☐ NO *If no, give name of country* _____

b. If original rights to variety were owned by a company, is the original owner(s) a U.S. based company?

☐ YES ☐ NO *If no, give name of country* _____

11. Additional explanation on ownership *(If needed, use reverse for extra space):*

Pure Seed Testing, Inc. has licensed Blacksburg II to Turf Seed, Inc.

PLEASE NOTE:

Plant variety protection can be afforded only to owners (now licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

3 If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

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